

The Center has tremendous talent and capabilities that can provide benefits beyond its physical boundaries. While focusing on NASA's missions, we must be good citizens of the State of Ohio and provide benefits to the taxpayers. This can be accomplished through the formation of partnerships, use of our technology to spur new businesses and industries, and outreach efforts.

Glenn Center Goal: "Become an integral part of the Ohio community and the Nation."

Woodrow Whitlow, Jr.
Director, NASA Glenn Research Center



NASA Glenn Research Center

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Business Development and Partnership Office

Visit us at

<http://newbusiness.grc.nasa.gov>

Glenn Research Center Facilities

Visit us at

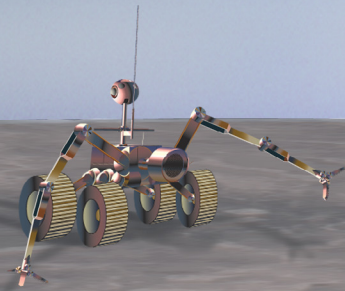
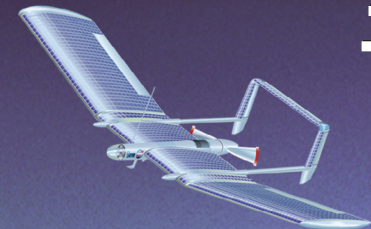
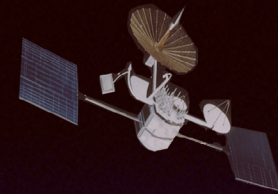
<http://www.nasa.gov/centers/glenn/testfacilities>

B-1263
Aug 07

National Aeronautics and
Space Administration



Collaboration



opportunities

Fulfilling NASA missions while guiding future business opportunities

World-Class Competencies • Technologies • Facilities

NASA Glenn Research Center's world-class competencies, facilities, technologies, and staff support NASA's missions of Exploration, Space Operations, Aeronautics, and Science. The Business Development and Partnership Office will work with external organizations to discover opportunities to collaborate, leverage resources, and develop the necessary technologies and products for the future.

Competencies

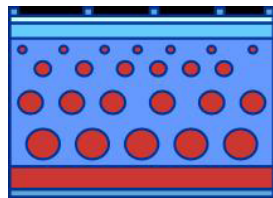
Competencies	Glenn Research Center Facilities at Lewis Field or Plum Brook	Competencies	Glenn Research Center Facilities at Lewis Field or Plum Brook
Acoustics	Acoustic dome (p. 3*)	Mechanical components and lubrication	Space mechanisms labs and tribology R&D lab
Bioengineering	Several R&D labs	Modeling, simulation, and visualization	Graphics and visualization laboratory and cluster computing (p. 35*)
Combustion	Space combustion facilities and combustion R&D labs (p. 24*)	Nanotechnology	Several labs included in other competencies
Communications	Antenna test facility, communications testbeds, and 35 R&D labs	Photovoltaics	Photovoltaic R&D laboratories
Electric (ion) propulsion	Space simulation vacuum chambers (p. 27*)	Program/project management	See others
Electrical systems	Space electrical systems testbed (p. 30*)	Propellant systems	Space cryogenic testing facilities (p. 25*)
Electrochemistry-physics	Fuel cell test facilities (p. 31*)	Structures	62 R&D labs (p. 33*)
Fluids, computational fluid dynamics (CFD), and turbomachinery	Engine research facilities and icing wind tunnel (p. 13*)	Systems analysis	World-class aerospace analysis tools
Instrumentation, controls, and electronics	31 R&D labs and cleanrooms (p. 33*)	Systems engineering	Development and verification labs
Materials	142 R&D labs and large multi-axial fatigue facility (p. 32*)	Thermal energy conversion	Power systems facility

Note: Facilities brochure

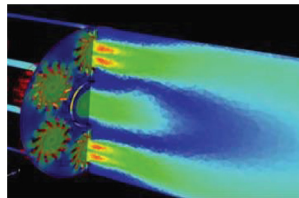
http://facilities.grc.nasa.gov/documents/facilities_Booklet_2005.pdf

*Identifies the page in the facilities brochure

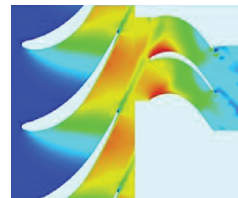
Technologies: Aerospace competencies applied to national challenges



Nanophotovoltaics



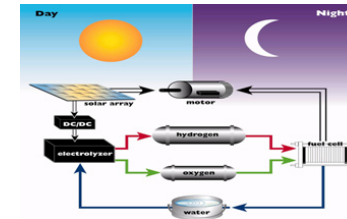
Combustion modeling



CFD fluids interactions/structures



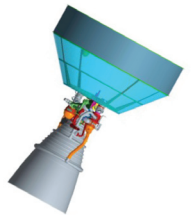
Bioengineering portable metabolic unit



Electrochemistry physics



System analysis



Propellant systems

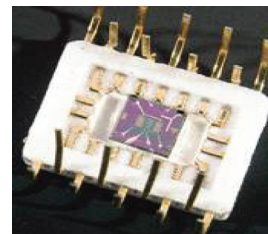
Facilities/Test Hardware: Premier facilities available for collaboration



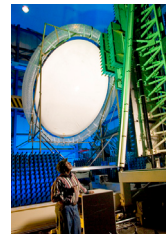
Fuel cells test lab



Instrumentation and controls lab



Sensors lab



Near-field antenna lab



Ballistic impact lab



Vacuum chambers



Cleanroom